

AIR QUALITY CONTROL GENERAL PERMIT APPLICATION PACKET

for

GENERATORS



Arizona Department of Environmental Quality

Air Quality Division

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INTRODUCTION

To expedite the processing of an air quality control permit application, the Arizona Department of Environmental Quality (ADEQ) has created a general permit for stationary, stand-alone generators. Facilities which meet the criteria in this general permit application will be permitted under the generator general permit and will pay lower annual air quality fees than generators covered under an individual air quality permit.

This application packet assists the applicant in the submittal of information that is required to process their application for an air quality control permit. Applicants wishing to obtain a generator general permit shall apply to ADEQ, except for facilities located on an Indian Reservation or in Pima, Pinal, or Maricopa Counties. If the facility is located on the reservation or in one of these counties, the local air quality agency will process the air quality permit application. If the applicant has any questions regarding jurisdictional issues, please contact the appropriate agency at the phone number below:

ADEQ: 1-800-234-5677 ext 7712337

Maricopa County: (602) 506-6094

Pima County: (520) 740-3340

Pinal County: (520) 868-6929

DISCLAIMER

This application packet does not waive the rights of the Director as provided under Arizona Administrative Code (A.A.C.) R18-2-304 to request that additional information be submitted by the applicant to assist in the processing of the air quality permit application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date they filed a complete application, but prior to the release of a proposed permit. If there is any difference between this application packet and Title 18, Chapter 2, of the A.A.C., the A.A.C. shall take precedence.

PERMIT ISSUANCE TIME FRAME

According to A.A.C. R18-1-525, ADEQ has 21 business days to determine if the submitted general permit application is complete. Once the application is determined to be complete, the department has 103 business days to make a licensing decision on the application. The counting of the days can be suspended by the Department upon the determination that additional information is needed. In such a case, a letter will be sent to the applicant informing them that the counting of days has been suspended, and will also specify what additional information is necessary to continue processing the application.

APPLICATION INSTRUCTIONS

STEP 1: DOES YOUR FACILITY QUALIFY FOR THIS GENERAL PERMIT?

Complete the appropriate permit qualification questions to ensure that the facility does qualify for a generator general permit based on the location of your facility as follows:

Maricopa County	-	Form 1.A on page 7
Pinal County	-	Form 1.B on page 9
All other counties	-	Form 1.C on page 11

If the facility does not qualify for coverage under the general permit, then a permit application for an individual generator permit must be completed and submitted to the appropriate agency.

STEP 2: STANDARD APPLICATION FORM

If the source is located outside of Pinal County, please complete Form 2.A. If the source is located within Pinal County, please complete Form 2.B. The following are brief descriptions of the information that is requested in the standard permit application forms.

The business license name (Permittee) of the organization is the business that is applying for coverage under the general permit.

The mailing address of the organization is the address of the Permittee.

The previous company name is the previous business license name if the business was previously permitted under a different name.

The name of the owner/principal is the name of the owner or principal of the business license name.

The owner's agent is the person or company assisting the Permittee with their air quality permit application.

The plant/site manager/contact person is the person that ADEQ may contact with any questions or requests for additional information.

The name of the plant site would be any name associated with the operating location. The address of the plant site should include its physical address, and must be as detailed as possible to determine the exact operating location of the existing or proposed plant.

If the generator is already permitted and is applying for a permit renewal, then the current permit number must be included.

The Date of Commencement of Construction is the anticipated date that construction will begin in the case of a new permit application.

If the equipment is leased, please check the appropriate box.

The application should be signed by the responsible official which, in most cases, is the owner or a partner of the company. It may also be the president or vice-president of larger companies. If there is a question as to who the responsible official is, please consult A.A.C. R18-2-301(10)/Pinal County Code §3-1-030.18/Pima County Code 17.04.340.A.186/ Maricopa County Code 100 § 200.95.

STEP 3: EMISSION CALCULATIONS

Form 3 should be used to calculate the emissions, both in pounds per hour and tons per year, from each generator when burning diesel fuel, natural gas/LPG, or gasoline. The emission factors provided are taken from the AP-42. If the Permittee can supply emission data from the manufacturer or certified lab test data with lower emission factors, then those emission factors can be used in place of the AP-42 factors. In order to use the manufacturer's emission data or certified lab test data, the Permittee must submit copies of the manufacturer's emission data or certified lab test emission data along with the specifications for each generator.

The emissions calculated in Form 3 should be tabulated to produce the total emissions from the facility which is recorded in the tables provided on Forms 4.A and 4.B. If the facility is located outside of Maricopa County, please use Form 4.A. If the facility is located within Maricopa County, please use Form 4.B. In the case of Form 4.B, the Permittee shall tabulate one set of emissions for all generators installed prior to July 12, 1988, and another set of emissions for all generators installed after July 12, 1988.

Finally, the synthetic minor operating hours limitations are calculated in Forms 5.A, 5.B, and 5.C. For facilities located outside of Maricopa County, the Permittee should complete Form 5.A to calculate the operating hours limitation in hours per year. For facilities located within Maricopa County, the Permittee should use Form 5.B to calculate the operating hours limitation in hours per year for all generators installed prior to July 12, 1988, and Form 5.C to calculate the operating hours limitation in hours per day and hours per year for all generators installed after July 12, 1988. If the facility consists of a generator installed prior to July 12, 1988, and a generator installed after July 12, 1988, the more stringent hours per year limitation shall be enforced for the entire facility.

STEP 4: EQUIPMENT LIST

ADEQ needs to be able to identify all generators that will be covered under the general permit. Use Form 6 to provide a list of all generators located at the facility. This list should include the make, model, serial number, equipment identification number, date of installation, generator rating (in horsepower), and the type of fuel used in each generator. In addition, the application must include a copy of the manufacturer's operating specifications for each generator.

STEP 5: COMPLIANCE PLAN, COMPLIANCE SCHEDULE, AND CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS

A Compliance Certification and Certification of Truth, Accuracy, and Completeness must be signed by the responsible official and submitted using Form 7.

STEP 6: FILING INSTRUCTIONS

The applicant needs to mail the completed application along with the application fee to the appropriate address as follows:

For sources located in Maricopa County:

**Air Quality Division
Maricopa County Environmental Services Department
1001 North Central Avenue
Phoenix, AZ 85004
(602) 506-6094
Application Fee: \$385.00**

For sources located in Pima County:

**Technical Services Division
Pima County Department of Environmental Quality
130 West Congress
Tucson, AZ 85701
(520) 740-3340
Application Fee: \$540.00**

For sources located in Pinal County:

**Pinal County Air Quality Control District
P.O. Box 987
Florence, AZ 85232
(520) 868-6929
Application Fee: \$540.00**

For all other sources:

**Air Quality Permits Section
Arizona Department of Environmental Quality
1110 West Washington
Phoenix, AZ 85007
1-800-234-5677, ext. 2337
Application Fee: \$500.00**

FORM 1.A: DOES YOUR FACILITY QUALIFY FOR THIS GENERAL PERMIT?

FACILITIES LOCATED WITHIN MARICOPA COUNTY

This form is only applicable to stationary, stand-alone generators located within Maricopa County. The following questions have been developed to determine if your facility qualifies for coverage under the generator general permit or if it is required to obtain an individual air quality permit.

A. What is the combined generator capacity (in horsepower) of all generators located at your facility?

B. Is the combined generator capacity from Question A above greater than 3,000 horsepower (HP)?

☐ YES ☐ NO

If the answer is YES, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

If the answer is NO, proceed to Question C.

C. If burning diesel fuel, is the combined generator capacity from Question A above less than 185 HP?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

☐ NOT APPLICABLE

If the answer is NO, proceed to Question F.

If the answer is NOT APPLICABLE, proceed to Question D.

D. If burning gasoline, is the combined generator capacity from Question A above less than 18 HP?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

☐ NOT APPLICABLE

If the answer is NO, proceed to Question F.

If the answer is NOT APPLICABLE, proceed to Question E.

E. If burning natural gas/LPG, is the combined generator capacity from Question A above less than 270 HP?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

☐ NOT APPLICABLE

If the answer is NO, proceed to Question F.

If the answer is NOT APPLICABLE, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

F. Do each of the generators at your facility meet all of the following operation criteria?

- * The generator(s) is used solely as a source of standby power or for emergency purposes.
- * The generator(s) is operated for less than 500 hours per year as evidenced by an installed hour meter or written usage records maintained by the operator.
- * The annual carbon monoxide and nitrogen oxide emissions do not exceed 4000 pounds per year for each generator.
- * The generator(s) is only used for power when normal power line service fails.
- * The generator(s) is only used for the emergency pumping of water.
- * The generator(s) is not used as standby power due to a voluntary reduction in power by the power company.

9 YES 9 NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

If the answer is NO, proceed to Question G.

G. Do each of the generators at your facility meet all of the following stack parameter criteria?

- * The exhaust stack discharge is vertical and 14 feet or more above ground.
- * If the stack is equipped with a rain cap, it must be hinged.

9 YES 9 NO

If the answer is YES, this facility qualifies for coverage under this general permit.

If the answer is NO, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

Please note a complete application for a facility located within Maricopa County must include the following completed forms:

Form 1.A	Does Your Facility Qualify for this General Permit?
Form 2.A	Standard Permit Application
Form 3	Emission Calculations
Form 4.B	Total Emissions from the Facility
Form 5.B	Synthetic Minor Limit Calculations
Form 5.C	BACT Limit Calculations
Form 6	Equipment List
Form 7	Compliance Certification and Certification of Truth, Accuracy, and Completeness

FORM 1.B: DOES YOUR FACILITY QUALIFY FOR THIS GENERAL PERMIT?

FACILITIES LOCATED WITHIN PINAL COUNTY

This form is only applicable to stationary, stand-alone generators located within Pinal County. The following questions have been developed to determine if your facility qualifies for coverage under the generator general permit or if it is required to obtain an individual air quality permit.

A. What is the combined generator capacity (in horsepower) of all generators located at your facility?

B. Is the combined generator capacity from Question A above less than 325 HP?

☐ YES ☐ NO

If the answer is YES, proceed to Question C.

If the answer is NO, proceed to Question D.

C. Does the generator(s) operate for less than 72 hours per year?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

If the answer is NO, proceed to Question D.

D. Is the combined generator capacity from Question A above greater than 3,000 horsepower (HP)?

☐ YES ☐ NO

If the answer is YES, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

If the answer is NO, proceed to Question E.

E. If burning diesel fuel, is the combined generator capacity from Question A above less than 7 HP?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

☐ NOT APPLICABLE **If the answer is NO,** proceed to Question H.

If the answer is NOT APPLICABLE, proceed to Question F.

F. If burning natural gas/LPG, is the combined generator capacity from Question A above less than 10 HP?

☐ YES ☐ NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

☐ NOT APPLICABLE **If the answer is NO,** proceed to Question H.

If the answer is NOT APPLICABLE, proceed to Question G.

G. Does the generator(s) utilize gasoline as its fuel?

9 YES 9 NO

If the answer is YES, proceed to Question H.

If the answer is NO, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

H. Do each of the generators at your facility meet all of the following stack parameter criteria?

* The exhaust stack discharge is vertical and 14 feet or more above ground.

* If the stack is equipped with a rain cap, it must be hinged.

9 YES 9 NO

If the answer is YES, this facility qualifies for coverage under this general permit.

If the answer is NO, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

Please note a complete application for a facility located within Pinal County must include the following completed forms:

Form 1.B	Does Your Facility Qualify for this General Permit?
Form 2.B	Standard Permit Application
Form 3	Emission Calculations
Form 4.A	Total Emissions from the Facility
Form 5.A	Synthetic Minor Limit Calculations
Form 6	Equipment List
Form 7	Compliance Certification and Certification of Truth, Accuracy, and Completeness

FORM 1.C: DOES YOUR FACILITY QUALIFY FOR THIS GENERAL PERMIT?

FACILITIES LOCATED OUTSIDE OF MARICOPA AND PINAL COUNTIES

This form is only applicable to stationary, stand-alone generators located outside of Maricopa and Pinal Counties. The following questions have been developed to determine if your facility qualifies for coverage under the generator general permit or if it is required to obtain an individual air quality permit.

A. What is the combined generator capacity (in horsepower) of all generators located at your facility?

B. Is the combined generator capacity from Question A above less than 325 HP?

9 YES 9 NO

If the answer is YES, this facility is not required to obtain an air quality control permit.

If the answer is NO, proceed to Question C.

C. Is the combined generator capacity from part Question A above greater than 3,000 horsepower (HP)?

9 YES 9 NO

If the answer is YES, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

If the answer is NO, proceed to Question D.

D. Do each of the generators at your facility meet all of the following stack parameter criteria?

* The exhaust stack discharge is vertical and 14 feet or more above ground.

* If the stack is equipped with a rain cap, it must be hinged.

9 YES 9 NO

If the answer is YES, this facility qualifies for coverage under this general permit.

If the answer is NO, this facility does not qualify for coverage under this general permit and must obtain an individual permit.

Please note a complete application for a facility located outside of Maricopa and Pinal Counties must include the following completed forms:

Form 1.C	Does Your Facility Qualify for this General Permit?
Form 2.A	Standard Permit Application
Form 3	Emission Calculations
Form 4.A	Total Emissions from the Facility
Form 5.A	Synthetic Minor Limit Calculations
Form 6	Equipment List
Form 7	Compliance Certification and Certification of Truth, Accuracy, and Completeness

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FORM 2.A: STANDARD PERMIT APPLICATION

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Air Quality Division

1110 West Washington g Phoenix, Arizona 85007 g Phone: (602) 771-2338

STANDARD PERMIT APPLICATION

(As required by A.R.S. § 49-426, and Chapter 2, Article 3, Arizona Administrative Code)

1. Permit to be issued to: (Business license name of organization that is to receive permit) _____
2. Mailing Address: _____
City: _____ State: _____ ZIP: _____
3. Previous Company Name: (if applicable) _____
4. Name (or names) of Owners/Principals: _____
Fax #: _____ Phone: _____
5. Name of Owner's Agent: _____
Fax #: _____ Phone: _____
6. Plant/Site Manager/Contact Person and Title: _____
Fax #: _____ Phone: _____
7. Plant Site Name: _____
Plant Site Location/Address: _____
City: _____ County: _____ ZIP: _____
Indian Reservation (if applicable, which one): _____
Latitude/Longitude, Elevation: _____
8. Equipment Purpose: Generator(s)
Equipment List/Description: Generator(s) (see the attached Equipment List - Form 3)
9. Type of Organization:
~ Corporation ~ Individual Owner
~ Partnership ~ Government Entity (Government Facility Code): _____
~ Other _____
10. Permit Application Basis: ~ New Source ~ Revision
(Check all that apply) ~ Portable Source : General Permit
~ Renewal of existing Permit
For renewal or modification, include existing permit number (and expiration date): _____
Date of Commencement of Construction: _____
Is any of the equipment to be leased to another individual or entity? ~ Yes ~ No
Standard Industrial Classification Code: 4911 State Permit Class: II
11. Signature of Responsible Official of Organization: _____
Official Title of Signer: _____
12. Typed or Printed Name of Signer: _____
Date: _____ Telephone Number: _____

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FORM 2.B: STANDARD PERMIT APPLICATION

(As required by A.R.S. §49-480, and Chapter 3, Article 1, Pinal County Air Quality Control District Code of Regulations)

PINAL COUNTY AIR QUALITY CONTROL DISTRICT
P. O. BOX 987@FLORENCE, AZ 85232@PHONE: (520) 868-6929

1. Permit to be issued to: (Name and legal status (e.g. corporation or proprietorship) of organization that is to receive permit):

2. Mailing Address: _____
City: _____ State: _____ ZIP: _____
3. Plant Name (if different from #1 above): _____
4. Name(s) of Owner or Operator: _____ Phone: _____
5. Name of Owner's Agent: _____ Phone: _____
6. Plant/Site Manager or Contact Person: _____
Phone: _____ Fax: _____
7. Equipment/Plant Location or Proposed Location Address: _____
City: _____ ZIP: _____
Section/Township/Range, Latitude/Longitude, Elevation: _____
Assessor's Parcel Number: _____
8. General Nature of Business: Generator(s)
Standard Industrial Classification Code: 4911
9. Type of Organization:
☐ Corporation State of incorporation: _____
☐ Individual Owner ☐ Partnership ☐ Arizona Limited Liability Company
☐ Government Entity (Government Facility Code: _____) ☐ Other _____
10. Permit Application Basis: (Check all that apply.)
☐ New Source ☐ Revision ☐ Renewal of Existing Permit
☐ Portable Source ☐ General Permit ☐ Permit Transfer
For renewal or modification, include existing permit number: _____
Date of Commencement of Construction or Modification: _____
Is any of the equipment to be leased to another individual or entity? ☐ Yes ☐ No
11. If necessary to preserve this source's status as a less-than-major source, the undersigned agrees that the permit for this source **G SHOULD G SHOULD NOT** include Federally Enforceable Provisions in accord with Code §3-1-084.
12. The undersigned applicant states that the applicant currently has, or at the time construction and/or operation begins will have, legal authority to enter upon and use the premises upon which this source will be operated.
13. The undersigned states and certifies that, based on information and belief formed after reasonable inquiry, the statements and information in this document and supporting materials are true, accurate and complete. To the extent that this application pertains to an assignment of an existing permit, the undersigned further agrees to comply with and accept each and every obligation associated with that existing permit. **Knowingly presenting a false certification constitute a criminal offense under ARS §13-2704.**
Signature of Responsible Official of Organization: _____
Typed or Printed Name of Signer: _____
Official Title of Signer: _____
Date: _____

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FORM 3: EMISSION CALCULATIONS

Emissions, in pounds per hour, from the generator(s) are calculated by taking the maximum capacity listed in column (b) and multiplying it by the emission factor for each pollutant in column (c). Emissions, in tons per year, from the generator(s) are calculated by taking the emissions in pounds per hour and multiplying it by the conversion factor in column (d). The emission factors provided are taken from the AP-42. If the Permittee can supply emission data from the manufacturer or certified lab test data with lower emission factors, then those emission factors can be used in place of the AP-42 factors. Simply cross out the emission factor provided and write in the new emission factor. In order to use the manufacturer's emission data or certified lab test data, the Permittee must submit copies of the manufacturer's emission data or certified lab test data, the Permittee must submit copies of the manufacturer's emission data or certified lab test data along with the specifications for each generator. **An individual table needs to be completed for each generator. Please make additional copies of this form if necessary.**

Diesel-Fired Generators with a Maximum Capacity of Greater Than 600 Horsepower

Pollutant (a)	Maximum Capacity (b)	Emission Factor (c)	Emissions (bxc)	Conversion Factor (d)	Emissions (bxcxd)
	(horsepower)	(lb/hp-hr)	(lbs/hr)	(tons/yr)/ (lbs/hr)	(tons/yr)
CO		0.0055		4.38	
NO _x		0.024		4.38	
SO _x		0.0065		4.38	
VOCs		0.0007		4.38	
PM-10		0.0007		4.38	

Reviewer	Date

Diesel-Fired Generators with a Maximum Capacity of 600 Horsepower or Less

Pollutant (a)	Maximum Capacity (b)	Emission Factor (c)	Emissions (bxc)	Conversion Factor (d)	Emissions (bxcxd)
	(horsepower)	(lb/hp-hr)	(lbs/hr)	(tons/yr)/ (lbs/hr)	(tons/yr)
CO		0.0067		4.38	
NO _x		0.031		4.38	
SO _x		0.002		4.38	
VOCs		0.0025		4.38	
PM-10		0.0022		4.38	

Reviewer	Date

Natural Gas/LPG-Fired Generators

Pollutant (a)	Maximum Capacity (b)	Emission Factor (c)	Emissions (bxc)	Conversion Factor (d)	Emissions (bxcxd)
	(horsepower)	(lb/hp-hr)	(lbs/hr)	(tons/yr)/ (lbs/hr)	(tons/yr)
CO		0.0029		4.38	
NOx		0.0206		4.38	
SOx		0.00000435		4.38	
VOCs		0.000842		4.38	
PM-10		0.0000726		4.38	

Reviewer	Date

Gasoline-Fired Generators

Pollutant (a)	Maximum Capacity (b)	Emission Factor (c)	Emissions (bxc)	Conversion Factor (d)	Emissions (bxcxd)
	(horsepower)	(lb/hp-hr)	(lbs/hr)	(tons/yr)/ (lbs/hr)	(tons/yr)
CO		0.439		4.38	
NOx		0.011		4.38	
SOx		0.000594		4.38	
VOCs		0.0216		4.38	
PM-10		0.000721		4.38	

Reviewer	Date

FORM 4.A: TOTAL EMISSIONS FROM THE FACILITY FACILITIES LOCATED OUTSIDE OF MARICOPA COUNTY

Use the numbers calculated in Form 3 to complete the table below. If there is more than one generator being utilized at the facility, be sure to include the sum of the emissions from each generator in the table below.

Table A: Total Emissions in Tons per Year

Pollutant (a)	Emissions from Diesel- Fired Generators (b)	Emissions from Natural Gas/LPG- Fired Generators (c)	Emissions from Gasoline-Fired Generators (d)	Total Emissions (b+c+d)
	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
CO				
NO _x				
SO _x				
VOCs				
PM-10				

Reviewer	Date

FORM 4.B: TOTAL EMISSIONS FROM THE FACILITY FACILITIES LOCATED WITHIN MARICOPA COUNTY

Use the numbers calculated in Form 3 to complete the tables below. If there is more than one generator being utilized at the facility, be sure to include the sum of the emissions from each generator in the tables below. Tables A and B should be completed for all generators installed after July 12, 1988. Table C should be completed for all generators installed prior to July 12, 1988.

Table A: Total Emissions in Pounds per Day for Generators Installed After July 12, 1988

Pollutant (a)	Emissions from Diesel- Fired Generators (b)	Emissions from Natural Gas/LPG- Fired Generators (c)	Emissions from Gasoline-Fired Generators (d)	Total Emissions (b+c+d)
	(pounds/day)	(pounds/day)	(pounds/day)	(pounds/day)
CO				
NO _x				
SO _x				
VOCs				
PM-10				

Reviewer	Date

Table B: Total Emissions in Tons per Year for Generators Installed After July 12, 1988

Pollutant (a)	Emissions from Diesel- Fired Generators (b)	Emissions from Natural Gas/LPG- Fired Generators (c)	Emissions from Gasoline-Fired Generators (d)	Total Emissions (b+c+d)
	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
CO				
NO _x				
SO _x				
VOCs				
PM-10				

Reviewer	Date

Table C: Total Emissions in Tons per Year for Generators Installed Prior to July 12, 1988

Pollutant (a)	Emissions from Diesel- Fired Generators (b)	Emissions from Natural Gas/LPG- Fired Generators (c)	Emissions from Gasoline-Fired Generators (d)	Total Emissions (b+c+d)
	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
CO				
NO _x				
SO _x				
VOCs				
PM-10				

Reviewer	Date

FORM 5.A: SYNTHETIC MINOR LIMIT CALCULATIONS **FACILITIES LOCATED OUTSIDE OF MARICOPA COUNTY**

Calculate the Number of Operating Hours per Year

Transfer the total emissions in tons per year calculated in Table A of Form 4.A above into column (b). Calculate the operating hours per year limit by taking the synthetic minor limitation in column (c) and dividing by the total emissions in column (b) and then multiplying that number by 8,760 hours per year for each pollutant in column (a). The facility will be limited to the smallest number of operating hours per year calculated in the table below.

Pollutant (a)	Total Emissions (b)	Synthetic Minor Limitation (c)	Operating Hours per Year** ((c/b) x 8760)
	(tons/yr)	(tons/yr)	(hours/yr)
CO		90	
NOx		90	
SOx		90	
VOCs		90	
PM-10*		90*	

Reviewer	Date

*For facilities located in the “Apache Junction Township”, Township 1 North, Range 8 East, G&SRB&M, the synthetic minor limitation is 63 tons per year because this area is a portion of the Phoenix Planning Area Serious PM-10 non-attainment area.

**Please note that if the calculated number of operating hours per year is greater than 8,760, then use 8,760 hours per year as a default.

FORM 5.B: SYNTHETIC MINOR LIMIT CALCULATIONS

FACILITIES LOCATED WITHIN MARICOPA COUNTY

GENERATORS INSTALLED PRIOR TO JULY 12, 1988

Calculate the Number of Operating Hours per Year

Transfer the total emissions in tons per year calculated in Table C of Form 4.B above into column (b). Calculate the operating hours per year limit by taking the Maricopa County limitation in column (c) and dividing by the total emissions in column (b) and then multiplying that number by 8,760 hours per year for each pollutant in column (a). The facility will be limited to the smallest number of operating hours per year calculated in the table below.

Pollutant (a)	Total Emissions (b)	Maricopa County Limitation (c)	Operating Hours per Year* ((c/b) x 8760)
	(tons/yr)		(hours/yr)
CO		90	
NOx		45	
SOx		45	
VOCs		45	
PM-10		63	

Reviewer	Date

*If the calculated number of operating hours per year is greater than 8,760, then use 8,760 hours per year as a default.

**If the facility consists of a generator installed prior to July 12, 1988, and a generator installed after July 12, 1988, the more stringent hours per year limitation shall be enforced for the entire facility.

FORM 5.C: BACT LIMIT CALCULATIONS
FACILITIES LOCATED WITHIN MARICOPA COUNTY
GENERATORS INSTALLED AFTER JULY 12, 1988

Calculate the Number of Operating Hours per Day

Transfer the total emissions in pounds per hour calculated in Table A of Form 4.B above into column (b). Calculate the operating hours per day limit by taking the Maricopa County limitation in column (c) and dividing by the total emissions in column (b) for each pollutant in column (a). The facility will be limited to the smallest number of operating hours per day calculated in the table below.

Pollutant (a)	Total Emissions (b)	Maricopa County Limitation (c)	Operating Hours per Day (c/b)
	(lbs/hr)	(lbs/day)	(hrs/day)
CO		550	
NO _x		150	
SO _x		150	
VOCs		150	
PM-10		85	

Reviewer	Date

*Please note that if the calculated number of operating hours per day is greater than 24, then use 24 hours per day as a default.

Calculate the Number of Operating Hours per Year

Transfer the total emissions in tons per year calculated in Table B of Form 4.B above into column (b). Calculate the operating hours per year limit by taking the Maricopa County limitation in column (c) and dividing by the total emissions in column (b) and then multiplying that number by 8,760 hours per year for each pollutant in column (a). The facility will be limited to the smallest number of operating hours per year calculated in the table below.

Pollutant (a)	Total Emissions (b)	Maricopa County Limitation (c)	Operating Hours per Year* ((c/b) x 8760)
	(tons/yr)	(tons/yr)	(hours/yr)
CO		90	
NO _x		23	
SO _x		23	
VOCs		23	
PM-10		13	

Reviewer	Date

*Please note that if the calculated number of operating hours per year is greater than 8,760, then use 8,760 hours per year as a default.

FORM 6: EQUIPMENT LIST

Equipment ID	Generator Rating (Horsepower)	Type of Fuel Used	Make	Model	Serial Number	Date of Installation

FORM 7: COMPLIANCE CERTIFICATION AND CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS

Certification of Compliance with all Applicable Requirements:

This certification must be signed by a Responsible Official. Applications without a signed certification will be deemed incomplete.

The responsible official is defined as a person who is in charge of principal business functions or who performs policy or decision making functions for the business. This may also include a authorized representative for such persons. For a complete definition see the Arizona Administrative Code (A.A.C.) R18-2-301, Pinal County Code (PCC) §3-1-030.18, Pima County Code (Code) 17.04.340.A.186, Maricopa County Code (County Rule) 100 §200.95

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by ADEQ as public record. I also attest that I am in compliance with the applicable requirements listed in Section 1 and will continue to comply with such requirements and any future requirements that become effective during the life of my permit. I will present a certification of compliance to ADEQ no less than annually and more frequently if specified by ADEQ. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with Arizona Administrative Code, Title 18, Chapter 2 and any permit issued thereof.

Name (Print/Type): _____

(Signature): _____ Date: _____

Certification of Truth, Accuracy, and Completeness

A.A.C. R18-2-304.H / PCC §3-1-175/Code 17.12.160.H/County Rule 100 §401 and 220 §302.14. Certification of Truth, Accuracy, and Completeness. Any application form, report, or compliance certification submitted pursuant to this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this Article shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

By my signature I, _____, hereby certify that based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Name (Print/Type): _____

(Signature): _____ Date: _____

FORM 8: ADEQ FEE SUMMARY

Fee Rule Summary for Class II Sources							
SOURCE							
CLASS II							
TITLE V				NON TITLE V			
INDIVIDUAL		GENERAL PERMIT		INDIVIDUAL		GENERAL PERMIT	
PROCESSING FEE \$66/hr No maximum Fee	<u>ANNUAL FEE</u> Administrative Synthetic Minor Sources - Except Portables Aerospace: \$12,900 Cement plants: \$39,500 Combustion/Boilers: \$9,600 Compressor stations: \$7,900 Electronics: \$12,700 Expandable Foam: \$9,100 Foundries: \$12,100 Landfills: \$9,900 Lime Plants: \$37,300 Copper & Nickel Plants: \$9,300 Gold Mines: \$9,300 Mobile Home manufacturing: \$9,200 Paper Mills: \$12,700 Paper Coaters: \$9,600 Petroleum Products Terminal facilities: \$14,100 Polymeric Fabric Coaters: \$12,700 Reinforced Plastics: \$9,600 Semiconductors Fabrication: \$16,700 Copper Smelters: \$39,500 Utilities-Natural Gas: \$10,200 Utilities-Fossil Fuel except Natural Gas: \$20,200 Vitamin/Pharmaceutical Manufacturing: \$9,800 Wood Furniture: \$9,600 Others: \$9,900 Others with Continuous Emission Monitoring: \$12,700 Stationary Source: \$5,000 Portable Source: \$5,000 Small Source: \$500	APPLICATION FEE \$500	<u>ANNUAL ADMINISTRATIVE FEE</u> Small Source: \$500 Others: \$3,000	PROCESSING FEE \$66/HOUR \$25,000 MAXIMUM FEE	<u>ANNUAL INSPECTION FEE</u> Stationary Sources: \$3,250 Portable Sources: \$3,250 Gasoline Service Station: \$500	APPLICATION FEE \$500	<u>ANNUAL INSPECTION FEE</u> Gasoline Service Station: \$500 Crematorium: \$1,000 Others: \$2,000
ACCELERATED PERMIT APPLICATION FEE \$15,000				ACCELERATED PERMIT APPLICATION FEE \$15,000 \$25,000 MAXIMUM FEE			
Notes: There is no fee for transfers, administrative amendments, or 317 changes of permits. The fee rate will be adjusted in the beginning of each year based on the CPI index. Administrative and Inspection fees are due each year no later than March 31st or 60 days after the Director mails the invoice, whichever is later. Information for this table was taken from the A.A.C. R18-2-326 and R18-2-511							